

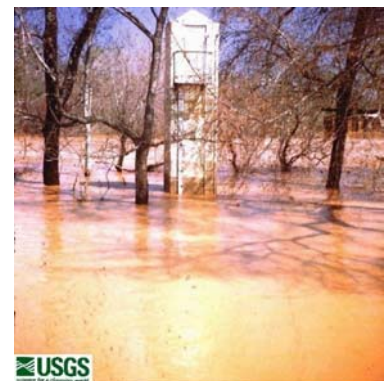
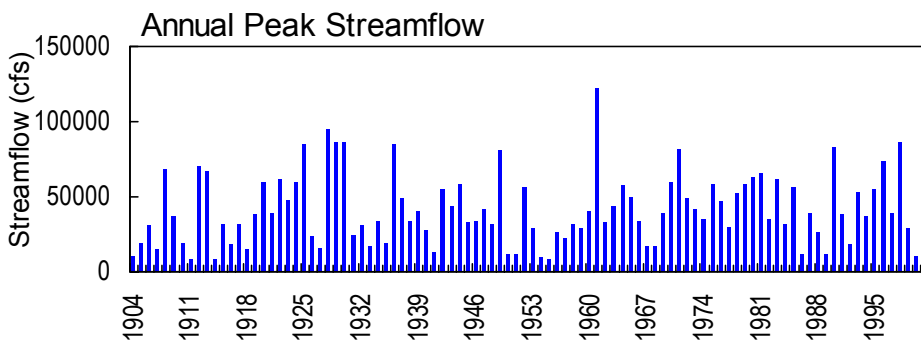
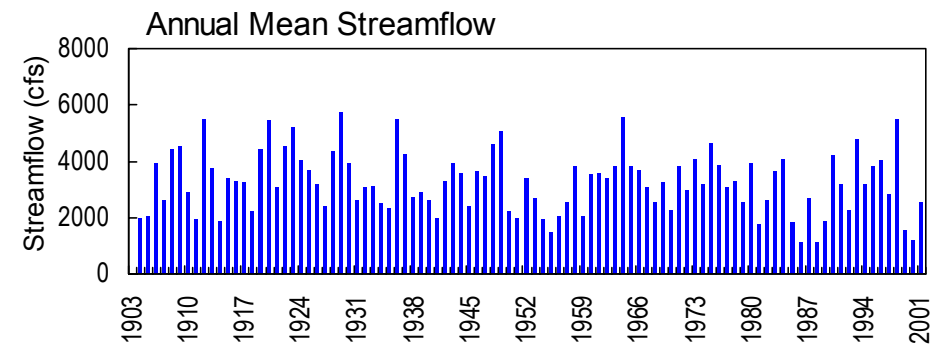
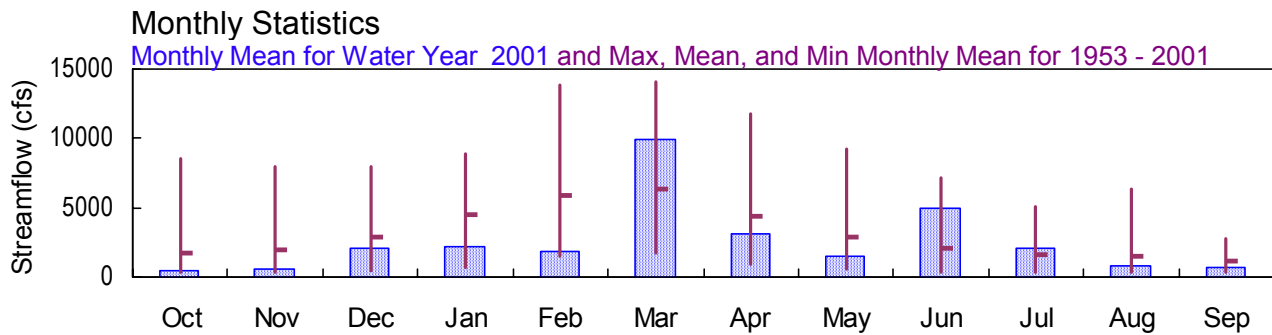
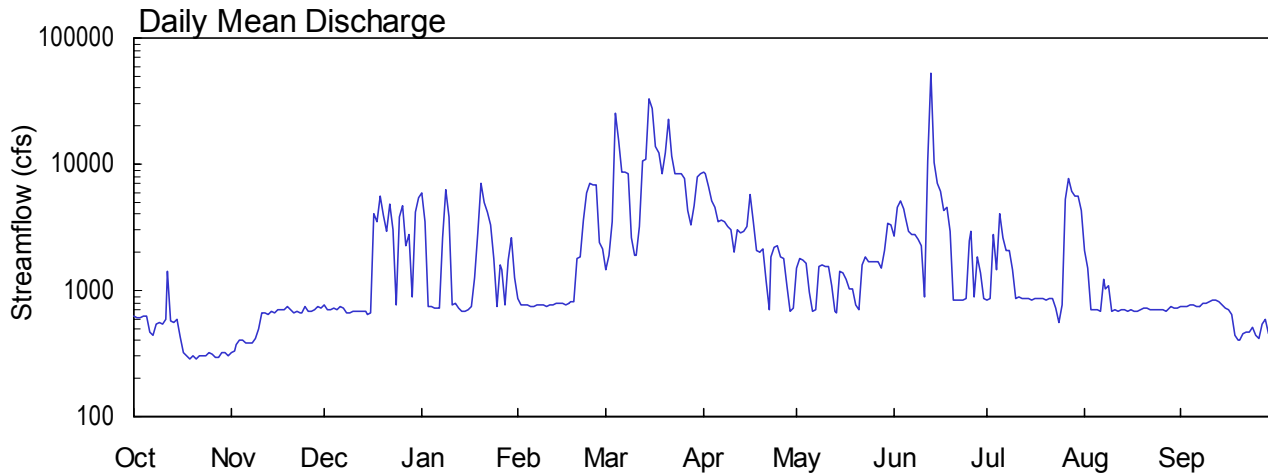


## ALTAMAHA RIVER BASIN

2001 Water Year

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA

Latitude: 33° 05' 22" Longitude: 83° 12' 56" Hydrologic Unit Code: 03070102 Baldwin County  
Drainage Area: 2950 mi<sup>2</sup> Datum: 230.8 feet Period of Record: 1953 - 2001



02223000 - Oconee River at Milledgeville, GA

**ALTAMAHA RIVER BASIN  
2001 Water Year**

**02223000 OCONEE RIVER AT MILLEDGEVILLE, GA**

**LOCATION.**--Lat 33°05'22", long 83°12'56", Baldwin County, Hydrologic Unit 03070102, 0.5 miles upstream from bridge on GA Highway 24, 3.8 miles downstream from Sinclair Dam, and at mile 139.1.

**DRAINAGE AREA.**--2,950 mi<sup>2</sup>, approximately.

**COOPERATION.**—Georgia Power Corporation.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**--September 1903 to current year.

**REVISED RECORDS.**--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

**GAGE.**--Satellite telemetry with a water-stage recorder. Datum of gage is 230.84 feet above sea level. Prior to May 23, 1906, from January 1 to October 5, 1909, and from January 1, 1932, to September 30, 1939, a non-recording gage was installed at a site 0.5 miles downstream, and from October 1, 1939, to March 8, 1966, a water-stage recorder was located at a site 0.3 miles downstream, all at present datum. From May 23, 1906, to December 31, 1908, and from October 6, 1909, to December 31, 1931, a non-recording gage was located at Fraleys Ferry, 6.8 miles upstream at different datum.

**REMARKS.**--Records good, except for the periods of estimated daily discharge, which are poor. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. Slight diurnal fluctuation and some regulation occur at low flow by Barnett Shoals power plant since 1911, and prior to Sinclair Reservoir development. Average discharge adjusted for storage published from 1953 to 1999.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Maximum stage known, 46.7 feet in 1886 at site 0.5 miles downstream at present datum, from information furnished by Georgia Department of Transportation.

**ALTAMAHA RIVER BASIN  
2001 Water Year**

**02223000 OCONEE RIVER AT MILLEDGEVILLE, GA—continued.**

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**--September 1903 to current water year.

**GAGE.**--Satellite telemetry with a water-stage recorder. Datum of gage is 230.84 feet above sea level. Prior to May 23, 1906, from January 1 to October 5, 1909, and from January 1, 1932, to September 30, 1939, a non-recording gage was installed at a site 0.5 miles downstream, and from October 1, 1939, to March 8, 1966, a water-stage recorder was located at a site 0.3 miles downstream, all at present datum. From May 23, 1906, to December 31, 1908, and from October 6, 1909, to December 31, 1931, a non-recording gage was located at Fraleys Ferry, 6.8 miles upstream at different datum.

**REMARKS.**--Records good.

**EXTREMES FOR CURRENT YEAR.**--Maximum gage-height recorded, 33.85 feet, June 13; minimum gage-height recorded, 7.42 feet, October 17, 19, 21.

**PRECIPITATION RECORDS**

**PERIOD OF RECORD.**--November 22, 2000 to September 30, 2001.

**GAGE.**--Tipping-bucket raingage.

**REMARKS.**--Records good.

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS  
 LATITUDE 330522 LONGITUDE 0831256 DRAINAGE AREA 2950.0 DATUM 230.84 STATE 13 COUNTY 009

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	621	317	766	5970	855	1460	8520	1520	2710	850	2070	744
2	616	333	696	3500	770	1920	8420	1770	4560	867	1510	743
3	614	367	700	741	766	3520	6680	1750	5070	2780	711	753
4	629	407	726	756	779	25600	5050	1650	4370	1450	698	764
5	631	406	707	730	746	15300	4490	958	3840	4110	696	760
6	466	380	741	718	750	8600	3540	681	2960	2620	688	753
7	448	378	722	735	763	8540	3570	707	2750	2100	1210	752
8	539	383	665	2610	763	8390	3540	1550	2780	2090	1030	783
9	553	416	664	6240	763	2620	3220	1590	2560	1480	1100	801
10	543	500	675	3830	755	1910	2990	1530	2250	866	694	822
11	595	672	689	761	772	1910	2000	1560	882	883	710	849
12	1420	658	675	793	780	3230	3010	1090	10500	853	690	829
13	567	638	687	722	795	10600	2880	683	53000	855	714	821
14	560	675	691	686	794	11000	2970	664	10400	869	705	769
15	586	670	649	690	788	33200	3190	1400	6970	842	694	723
16	424	695	660	715	773	27900	5780	1360	6040	866	698	710
17	325	707	4030	758	783	13600	3550	1220	4310	870	691	646
18	299	702	3520	1260	808	12200	2090	1030	4610	868	685	439
19	287	743	5660	2880	824	8450	2040	1040	2920	854	710	407
20	299	702	3980	7070	1780	12200	2110	772	841	849	726	411
21	289	664	2950	4950	1840	22600	1180	705	851	868	717	449
22	306	677	4820	4170	3600	11700	707	1610	848	874	712	462
23	303	673	3050	3330	5910	8490	1850	1860	844	719	711	468
24	300	671	765	1770	7000	8470	2200	1690	852	561	704	516
25	320	737	3780	754	6840	8440	2260	1680	2480	780	696	448
26	312	676	4640	1590	6900	7610	1870	1680	2950	5200	695	413
27	297	680	2260	1480	2390	4250	1810	1680	891	e7700	690	543
28	294	701	2760	773	2160	3280	1100	1520	1860	6080	729	587
29	317	750	895	1750	---	4670	689	2060	1370	5630	739	451
30	317	728	4230	2580	---	7840	717	3420	855	5590	720	477
31	306	---	5500	1270	---	8500	---	3300	---	4320	724	---
TOTAL	14383	17706	63953	66582	53247	308000	94023	45730	148124	66144	25267	19093
MEAN	464	590	2063	2148	1902	9935	3134	1475	4937	2134	815	636
MAX	1420	750	5660	7070	7000	33200	8520	3420	53000	7700	2070	849
MIN	287	317	649	686	746	1460	689	664	841	561	685	407
CFSM	.16	.20	.70	.73	.64	3.37	1.06	.50	1.67	.72	.28	.22
IN.	.18	.22	.81	.84	.67	3.88	1.19	.58	1.87	.83	.32	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001, BY WATER YEAR (WY)

MEAN	1715	1916	2897	4525	5862	6303	4435	2923	2091	1625	1463	1178
MAX	8495	7929	7946	8879	13810	14030	11780	9288	7142	5081	6372	2811
(WY)	1990	1993	1993	1978	1998	1971	1964	1964	1963	1994	1994	1994
MIN	344	330	458	642	1454	1747	969	599	333	298	306	358
(WY)	1955	1982	1988	1956	1989	1988	1986	2000	2000	2000	2000	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1953 - 2001

ANNUAL TOTAL	457954	922252	
ANNUAL MEAN	1251	2527	3064
HIGHEST ANNUAL MEAN			5581
LOWEST ANNUAL MEAN			1133
HIGHEST DAILY MEAN	7470	Mar 21	53000
LOWEST DAILY MEAN	260	Jul 31	287
ANNUAL SEVEN-DAY MINIMUM	269	Jul 23	298
MAXIMUM PEAK FLOW			61300
MAXIMUM PEAK STAGE			33.85
ANNUAL RUNOFF (CFSM)	.42		.86
ANNUAL RUNOFF (INCHES)	5.77		11.63
10 PERCENT EXCEEDS	3240		6000
50 PERCENT EXCEEDS	672		850
90 PERCENT EXCEEDS	296		473

STATISTICS COMPUTED BY: gabailey

DATE: 02/07/2002 AT: 15:56:49

e Estimated

STATION NUMBER 02223000

OCONEE RIVER AT MILLEDGEVILLE, GA

STREAM SOURCE AGENCY USGS

LATITUDE 330522

LONGITUDE 0831256

DRAINAGE AREA 2950.0

DATUM 230.84

STATE 13

COUNTY 009

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.02	7.51	8.29	11.09	8.13	8.73	12.45	8.79	9.75	8.20	9.23	8.23
2	8.01	7.54	8.18	9.66	8.02	9.18	12.42	9.05	10.78	8.22	8.84	8.22
3	8.01	7.61	8.18	7.98	8.02	10.18	11.74	9.03	11.05	9.71	8.21	8.23
4	8.03	7.69	8.22	8.00	8.03	20.78	10.99	8.96	10.70	8.73	8.19	8.24
5	8.04	7.69	8.20	7.97	7.99	16.03	10.73	8.22	10.42	10.72	8.19	8.24
6	7.71	7.64	8.25	7.95	7.99	12.49	10.26	7.90	9.90	9.62	8.17	8.22
7	7.68	7.64	8.22	7.98	8.01	12.47	10.28	7.94	9.77	9.28	8.71	8.21
8	7.87	7.65	8.13	9.19	8.01	12.40	10.26	8.86	9.79	9.23	8.55	8.25
9	7.90	7.71	8.13	11.47	8.01	9.58	10.05	8.90	9.64	8.77	8.60	8.27
10	7.88	7.86	8.15	10.00	8.00	9.17	9.89	8.84	9.42	8.22	8.18	8.30
11	7.98	8.14	8.17	8.01	8.02	9.17	9.22	8.87	8.16	8.25	8.21	8.33
12	8.70	8.12	8.15	8.05	8.03	9.87	9.90	8.36	13.05	8.20	8.18	8.29
13	7.98	8.09	8.16	7.96	8.06	13.60	9.82	7.90	31.16	8.20	8.21	8.27
14	7.97	8.15	8.17	7.91	8.05	13.83	9.88	7.88	14.00	8.23	8.20	8.19
15	8.01	8.14	8.10	7.92	8.05	23.81	9.93	8.72	12.33	8.19	8.18	8.12
16	7.72	8.17	8.12	7.95	8.03	22.34	11.32	8.68	11.92	8.22	8.19	8.09
17	7.52	8.19	10.35	8.00	8.04	15.21	10.18	8.55	11.05	8.23	8.18	7.98
18	7.47	8.19	9.79	8.39	8.07	14.46	9.29	8.34	11.08	8.22	8.17	7.62
19	7.44	8.25	11.18	9.43	8.09	12.43	9.26	8.35	10.24	8.21	8.21	7.55
20	7.47	8.19	10.19	11.89	8.73	14.47	9.31	8.02	8.19	8.20	8.23	7.55
21	7.44	8.13	9.51	10.51	8.87	20.00	8.45	7.94	8.20	8.22	8.22	7.62
22	7.48	8.15	10.64	10.26	9.97	14.18	7.94	8.91	8.20	8.23	8.21	7.64
23	7.47	8.14	9.54	9.83	11.29	12.45	8.94	9.13	8.19	8.01	8.21	7.64
24	7.47	8.14	8.01	8.79	11.87	12.44	9.36	8.98	8.20	7.78	8.20	7.72
25	7.51	8.24	9.99	8.00	11.81	12.43	9.41	8.98	9.46	8.10	8.19	7.59
26	7.49	8.15	10.56	8.60	11.83	12.09	9.14	8.98	9.88	11.20	8.19	7.52
27	7.46	8.15	9.10	8.52	9.18	10.61	9.08	8.98	8.25	---	8.18	7.74
28	7.45	8.19	9.41	8.02	9.00	10.08	8.36	8.83	9.04	11.95	8.23	7.81
29	7.51	8.26	8.17	8.69	---	10.67	7.91	9.27	8.78	11.76	8.25	7.57
30	7.51	8.23	10.24	9.31	---	12.20	7.95	10.18	8.21	11.74	8.21	7.61
31	7.48	---	10.89	8.37	---	12.45	---	10.11	---	11.00	8.21	---
MEAN	7.73	8.00	8.98	8.89	8.76	13.22	9.79	8.72	10.63	---	8.29	7.96
MAX	8.70	8.26	11.18	11.89	11.87	23.81	12.45	10.18	31.16	---	9.23	8.33
MIN	7.44	7.51	8.01	7.91	7.99	8.73	7.91	7.88	8.16	---	8.17	7.52

STATION NUMBER 02223000 OCONEE RIVER AT MILLEDGEVILLE, GA STREAM SOURCE AGENCY USGS  
 LATITUDE 330522 LONGITUDE 0831256 DRAINAGE AREA 2950.0 DATUM 230.84 STATE 13 COUNTY 009

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	.00	.00	.00	.00	.00	.00	.86	.00	.00	.01
2	---	---	.01	.00	.00	1.70	.00	.00	.00	.00	.00	.00
3	---	---	.06	.00	.00	2.97	.54	.00	.19	.70	.00	.15
4	---	.00	.00	.00	.07	.10	.00	.00	.00	1.06	.00	.08
5	---	.00	.00	.00	.00	.00	.02	.00	.00	.18	.00	.00
6	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	---	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	---	.00	.00	.51	.00	.00	.00	.00	1.13	.00	.01	.00
9	---	.00	.14	.00	.00	.02	.00	.00	.62	.00	.00	.23
10	---	---	.00	.00	.18	.00	.00	.00	.00	.00	.00	.91
11	---	---	.00	.03	.00	.00	.00	.00	.00	.00	.28	.28
12	---	---	.00	.26	.25	1.98	.00	.05	3.07	.00	.00	.01
13	---	---	.02	.00	.06	.00	.01	.00	.20	.00	.46	.00
14	---	---	.11	.00	.00	.24	.00	.00	.39	.00	.06	.00
15	---	---	.12	.03	.00	1.28	.49	.00	.01	.00	.00	.00
16	---	---	.68	.40	.26	.00	.00	.00	.00	.00	.00	.00
17	---	---	.00	.02	.34	.00	.00	.00	.00	.00	.01	.00
18	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00
19	---	---	.13	1.49	.00	.33	.00	.25	.00	.00	.25	.00
20	---	---	.00	.01	.00	1.23	.00	.06	.00	.00	.03	.00
21	---	---	.05	.00	.00	.00	.00	.00	.12	.00	.00	.00
22	---	.00	.00	.00	1.44	.00	.00	.31	.04	.00	.00	.00
23	---	.00	---	.00	.00	.00	.00	.00	.00	.80	.00	.48
24	---	.38	---	.00	.00	.00	.09	.00	.00	.31	.00	1.36
25	---	1.27	---	.00	.22	.28	.18	.00	.04	.46	.00	.00
26	---	.00	---	.00	.01	.00	.00	.00	.00	.01	.00	.00
27	---	.00	---	.00	.02	.00	.00	.00	.51	---	.10	.00
28	---	.00	---	.00	.03	.00	.00	.00	.01	1.79	.56	.00
29	---	.00	---	.00	---	2.22	.00	1.05	.10	.03	.01	.00
30	---	.00	.00	.66	---	.03	.00	.00	.40	.00	.00	.00
31	---	---	.00	.00	---	.00	---	.63	---	.00	.38	---
TOTAL	---	---	---	3.41	2.88	12.38	1.33	2.35	7.69	---	2.31	3.51